

Application No. 10/536,477
Response to Notice Dated July 25, 2007
To accompany Amendment Dated July 12, 2007 (entered July 16, 2007)
Reply to Office Action Dated April 26, 2007

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) Optical detector device for a meter, comprising:
a consumption indicator formed of a rotating target wherein said target is formed as a partial opaque disc said partial opaque disc being substantially formed in the range of 45° to 225°; and
first and second optical emitter elements, for emitting first and second beams of light;
first and second mirrors, said first mirror for reflecting said first beam of light and said second mirror for reflecting said second beam of light, such that said reflected first and second beams of light are both directed through a pathway of said rotating target to an optical receiving element, wherein an
~~optical elements of emitting type and receiving type of which at least one lies opposite said target, whose received optical signal, formed by the receiving of said first and second beams of light are~~ is processed to infer at least the number of rotations of said disc, ~~having at least two said optical elements of one type and at least one said optical element of the other type, wherein said target is a portion of an opaque disc with a center angle called a first angle (γ) of between about 45 and about 225°, and said two optical elements of one type are emitting elements of a light beam, whose light beam is outside~~

~~target and in that it also comprises at least one mirror reflecting each optical beam on the pathway of the target.~~

2. (currently amended) Device as in claim 1, wherein said rotating target is substantially ~~disc portion has a center angle (γ) of 180°.~~

3. (cancelled).

4. (currently amended) Device as in claim 3, wherein said two optical emitters and said optical receiving element ~~three optical members~~ are substantially linearly aligned and the optical receiving ~~optical~~ element is inbetween the two optical emitters ~~emitting elements~~.

5. (currently amended) Device as in claim 1, further comprising a second optical receiving element for forming two pairs of an optical emitters and an optical receiving element ~~two emitting optical elements and two receiving optical elements associated in pairs~~, each receiving element receiving the optical beam of the optical emitter ~~emitting element~~ in the same pair.

6. (currently amended) Device as in claim 1, wherein the two optical emitters operate ~~in~~ sequentially.

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7. (currently amended) Device as in claim 1, wherein the positioning of said optical emitters, optical receiving element and said first and second mirrors ~~elements~~ is such that the angle of incidence (B) of the optical beams emitted and then received by the optical receiving element ~~optical elements~~ is less than 60°.

8. (currently amended) Device as in claim 1, further comprising at least one collimator device positioned within the path of said ~~for the~~ optical beams.

9. (previously presented) Device as in claim 8, wherein said collimator device has slits limiting stray interference between light beams.

10. (currently amended) Device as in claim 1, further comprising ~~an additional~~ a third optical emitter whose trace on the disc is centred on the axis of symmetry (A) of the disc, the disc being provided with a reflecting zone about this axis (A).

11. (currently amended) Fluid meter comprising:
a rotating disc that is coupled to ~~part of an~~ said optical detector device as in claim 1, which is visible through a partly transparent wall in said fluid meter.

12. (cancelled)

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13. (currently amended) A module as in claim 12, further comprising an optical beam collimator device positioned within the path of said optical beams.